

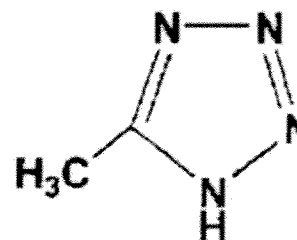
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JP10218868A PatBase number: 11010955

Title: PRODUCTION OF 5-METHYLTETRAZOLE**Abstract:**

Source: JP10218868A PROBLEM TO BE SOLVED: To obtain the subject compound capable of being used as a modifying agent for antibiotics, etc., in a high purity and in a high yield by reacting acetonitrile with an inorganic azide salt in the presence of an ammonium chloride catalyst in acetonitrile solvent containing a prescribed fine amount of water.

SOLUTION: (A) Acetonitrile is reacted with (B) an inorganic azide salt of the formula: $M(N_3)_n$ [M is an alkali (alkaline earth) metal; (n) is 1, 2] (preferably sodium azide) in the presence of (D) acetone solvent containing a specific fine amount of water (preferably 0.4-1.0wt.%) to obtain (E) 5-methyltetrazole of the formula. The component B is preferably used in an amount of 1.0-2.0 moles per mole of the ammonium chloride of the component C. The objective compound can thereby easily and safely be produced in a high purity and in a high yield from the inexpensive raw materials under the easy control of the reaction.

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JAPAN	JP10218868 A2	Aug 18, 1998	JP19970042987	Feb 12, 1997	APPLICATION

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International class: B01J27/12 B01J27/125 C07B61/00 C07D257/04 (Advanced/Invention);
 C07B61/00 (Advanced/Non-invention);
 B01J27/06 C07B61/00 C07D257/00 (Core/Invention);
 C07B61/00 (Core/Non-invention)

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